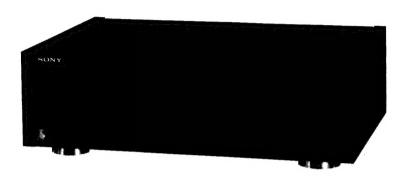
# TA-N55ES

# **SERVICE MANUAL**



US Model Canadian Model AEP Model UK Model

### **SPECIFICATIONS**

### **AUDIO POWER SPECIFICATIONS**

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 4 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 150 watts per channel minimum RMS power, with no more than 0.01% total harmonic distortion from 250 milliwatts to rated output.

With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 110 watts per channel minimum RMS power, with no more than 0.05 % total harmonic distortion from 250 miliwatts to rated output.

### Other specifications

Item	Condition	Model except for North Europe	Model for North Europe
Continuous RMS power output(both channels	4 ohms 20 Hz - 20 kHz, THD 0.01 %	150 W + 150 W (DIN: 160 W + 160 W)	_
driven simultaneously)	6 ohms 20 Hz - 20 kHz, THD 0.03 %	(DIN:	100 W + 100 W (DIN: 120 W + 120 W)
	8 ohms 20 Hz - 20 kHz, THD 0.05 %	\— · · · ·	80 W + 80 W (DIN: 110 W + 110 W)
	8 ohms monaural, THD 0.05 %	300 W (DIN: 350 W)	_
	12 ohms monaural, THD 0.05 %	_	200 W (DIN: 235 W)

— continued on next page —





Dynamic power	1 ohm stereo (monaural)	450 W ( — )	450 W ( — )			
	2 ohms stereo (monaural)	400 W (750 W)	325 W (625 W)			
	4 ohms stereo (monaural)	290 W (680 W)	220 W (450 W)			
	8 ohms stereo (monaural)	150 W (500 W)	125 W (370 W)			
Power bandwidth	4 ohms, THD 0.05 %	5 Hz - 50 kHz at 75W	_			
(IHF)	8 ohms, THD 0.05 %	5 Hz - 50 kHz	at 55 W			
Dynamic headroom	4 ohms	2.8 dB	_			
('78 IHF)	8 ohms	1.8	dB			
Total harmonic distortion	4 ohms, at 10 watt output	0.008 %	_			
	6 ohms, at 10 watt output	0.006 %				
	8 ohms, at 10 watt output	0.00	04 %			
Intermodulation (IM) distortion	4 ohms, at rated output	0.008%				
60 Hz:7 kHz = 4:1	6 ohms, at rated output	0.00	06%			
	8 ohms, at rated output	0.00	)4%			
Damping factor	8 ohms, 1 kHz	100				
Slew rate		120 V/μsec, 250 V/μsec (i	nside)			
Residual noise	network A	Less than 90	μV			
Frequency response	INPUT	5 Hz - 200 kHz <sup>+0</sup> <sub>-3</sub> dB	5 Hz - 100 kHz <sup>+0</sup> <sub>-3</sub> dB			
Input sensitivity	INPUT	180 mV, 20 k	ohms			
S/N (network) '78 IHF	INPUT	120 dB (A)				

General

System

Super legato linear, purecomplementary SEPP power amplifier, powerful power supply

Power requirements

US, Canadion model: 120 V AC, 60 Hz AEP, WG model: 220 V AC, 50/60 Hz UK model:

240 V AC, 50 Hz

Power consumption

US model: 280 watts Canadian model: 580 VA UK model: 760 watts AEP model: 190 watts WG model: 310 watts

UK model: Dimensions

Approx.  $430 \times 150 \times 365 \text{ mm} (w/h/d)$ 

 $(16^{7}/_{8} \times 5^{7}/_{8} \times 14^{3}/_{8} \text{ inches})$ 

Except for UK model:
Approx. 467 x 150 x 365 mm (w/h/d)

 $(18^{3}/_{8} \times 5^{7}/_{8} \times 14^{3}/_{8} \text{ inches})$ 

Weight UK model:

Approx. 11.2 kg (24 lb. 12 oz.), net

Except for UK model:

Approx. 12.2 kg (26 lb. 14 oz.), net

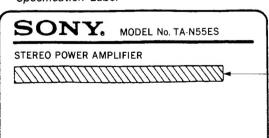
Supplied accessories

Screws (8) (except for UK model)

Design and specifications subject to change without notice.

### **MODEL IDENTIFICATION**

— Specification Label —



US model: AC 120V 60Hz

280W 580VA

Canadian model: AC 120V 60Hz

AEP, WG (West Germany) model: AC 220V~50/60Hz

UK model: AC 240V~50/60Hz

### SERVICING NOTES

### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

### SAFETY CHECK-OUT

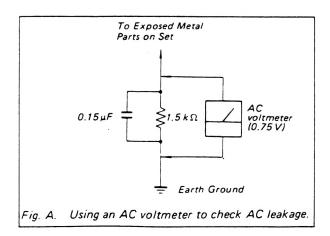
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

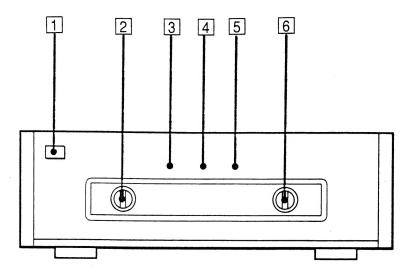
### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



### SECTION 1 GENERAL



### 1 POWER switch

### 2 SPEAKERS selector

Selects speaker system A, B or both (A+B). For headphone monitoring on the connected preamplifier, set the selector to OFF.

### 3 PROTECTION indicator

Lights up for approximately 4 seconds immediately after turning on the unit. This indicates that the built-in muting circuit is activated.

In normal operating conditions, this does not light. If it lights up (speaker sound is not heard) while operating, an abnormality has occurred. In this case, disconnect the AC power cord and check the connected components and speaker systems.

### 4 STEREO indicator

Lights up when OPERATION is set to STEREO.

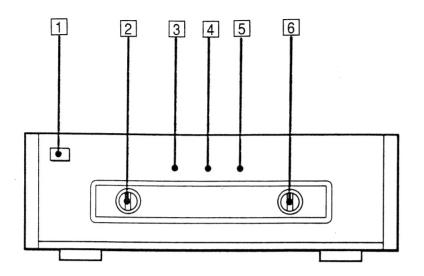
### 5 MONO indicator

Lights up when OPERATION is set to MONO.

### 6 ATTENUATOR

Control input signal sound level from the preamplifier. Normally, set it to the click-in center position.

or by



### 1 POWER switch

### 2 SPEAKERS selector

Selects speaker system A, B or both (A+B). For headphone monitoring on the connected preamplifier, set the selector to OFF.

### 3 PROTECTION indicator

Lights up for approximately 4 seconds immediately after turning on the unit. This indicates that the built-in muting circuit is activated.

In normal operating conditions, this does not light. If it lights up (speaker sound is not heard) while operating, an abnormality has occurred. In this case, disconnect the AC power cord and check the connected components and speaker systems.

### 4 STEREO indicator

Lights up when OPERATION is set to STEREO.

### 5 MONO indicator

Lights up when OPERATION is set to MONO.

### 6 ATTENUATOR

Control input signal sound level from the preamplifier. Normally, set it to the click-in center position.

## SECTION 2 ELECTRICAL ADJUSTMENTS

### **PRECAUTIONS**

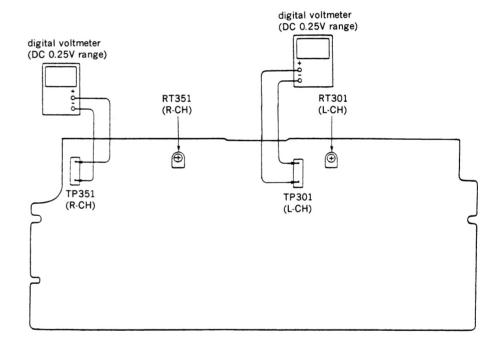
- 1. Adjust the idling after tuning the unit on for about 10-15 minutes, giving it time to warm up.
- Always make sure to adjust the idling when repairing the power amp section or when replacing any parts.

### [IDLING ADJUSTMENT]

Procedure:

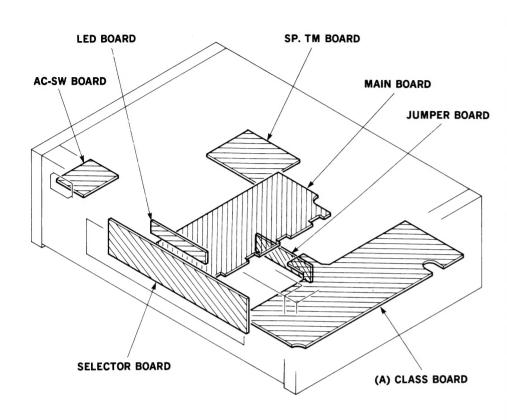
Set the ATTENUATOR control as low as possible and adjust RT301 (L-CH) and RT351 (R-CH) so that the voltmeter reads 7mV at TP301 (L-CH) and TP351 (R-CH).

### Adjustment Location: power board



### SECTION 3 DIAGRAMS

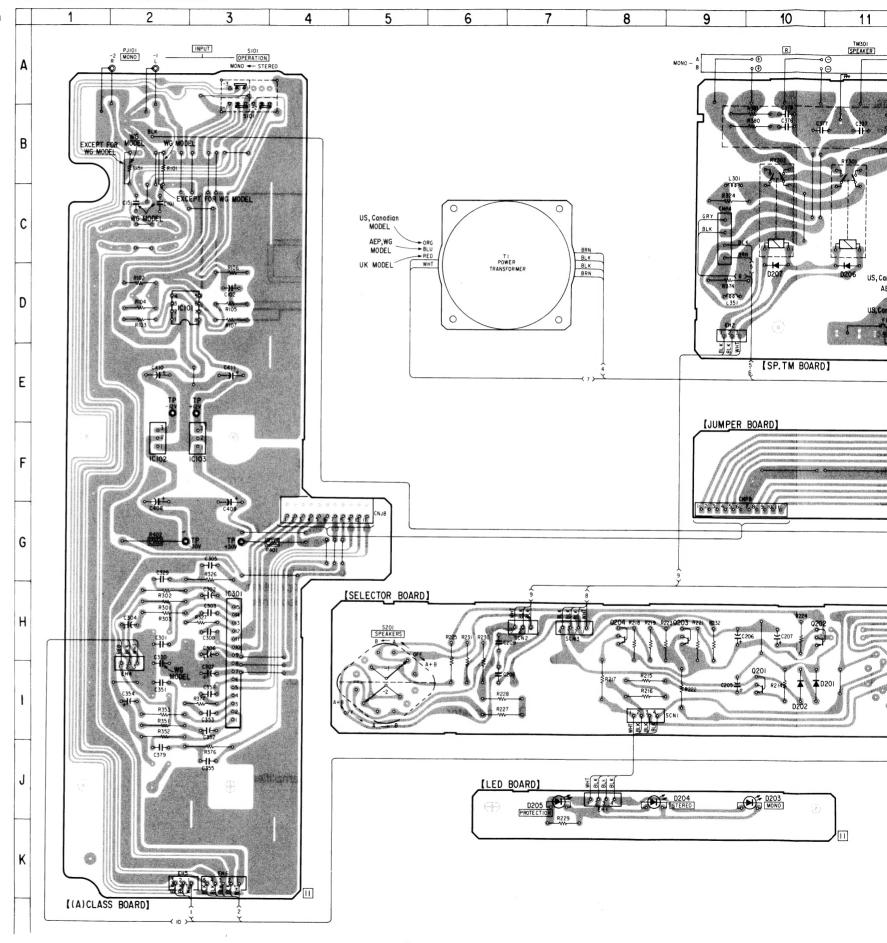
### 3-1. CIRCUIT BOARDS LOCATION



### Semiconductor Location

Ref. No.	Location	
D201 D202 D203 D204 D205 D206 D207 D301 D302 D303 D304 D305 D306 D307 D308 D309 D310 D311 D312 D313 D314 D362 D363 D364	I-10 I-10 J-10 J-8 J-7 C-11 C-10 E-18 F-19 G-19 G-18 C-18 G-18 G-18 G-18 G-18 G-18 G-18 G-18 G	
IC101 IC102 IC103 IC301 IC302	D-2 F-2 F-3 H-3 I-18	
Q201 Q202 Q203 Q204 Q301 Q302 Q303 Q304 Q305 Q306 Q351 Q352 Q353 Q354 Q355 Q356	I-10 H-10 H-9 H-8 I-15 I-16 I-16 J-15 H-15 J-16 D-15 D-16 E-16 C-15 E-15 C-16	

### 3-2. PRINTED WIRING BOARDS

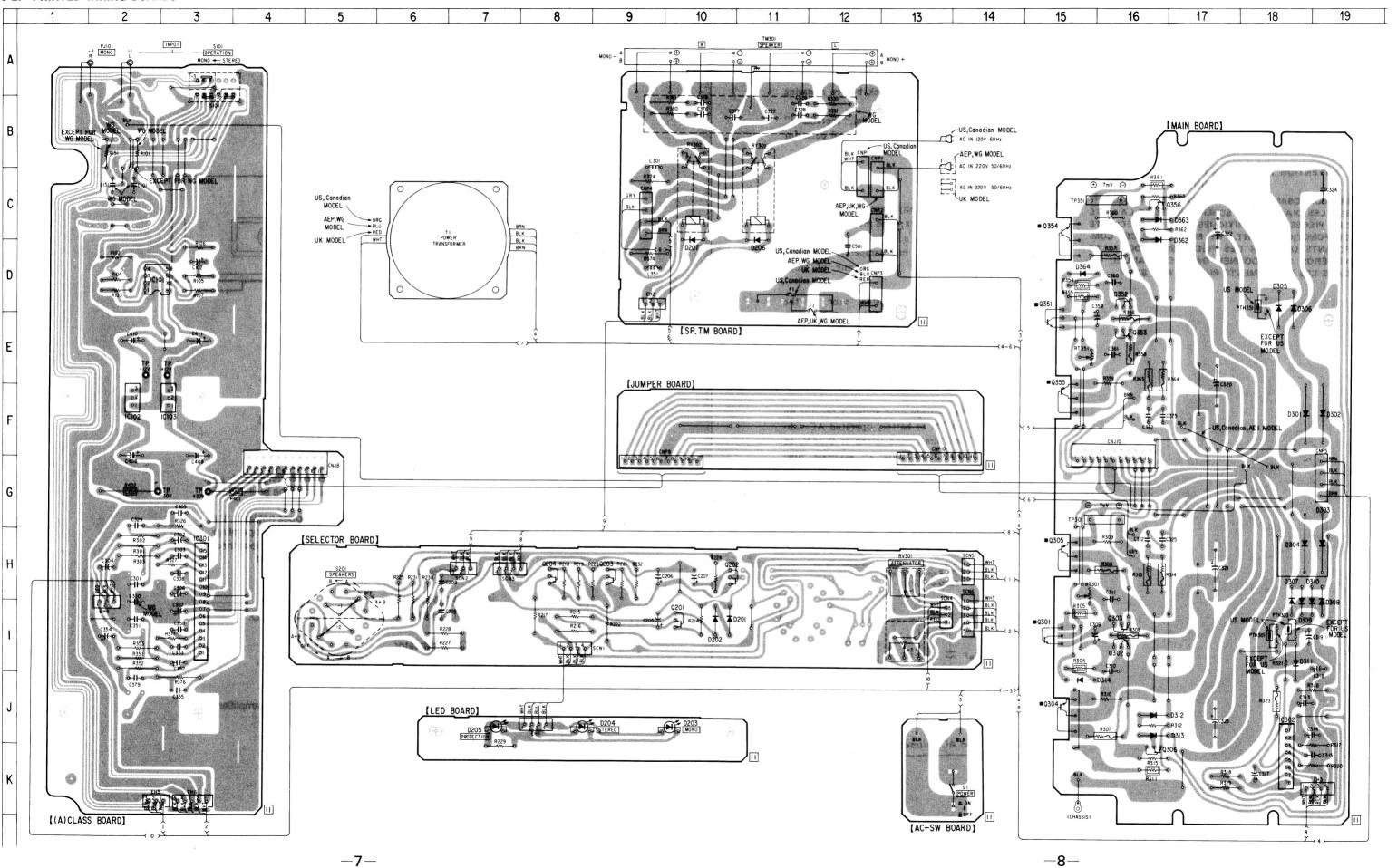


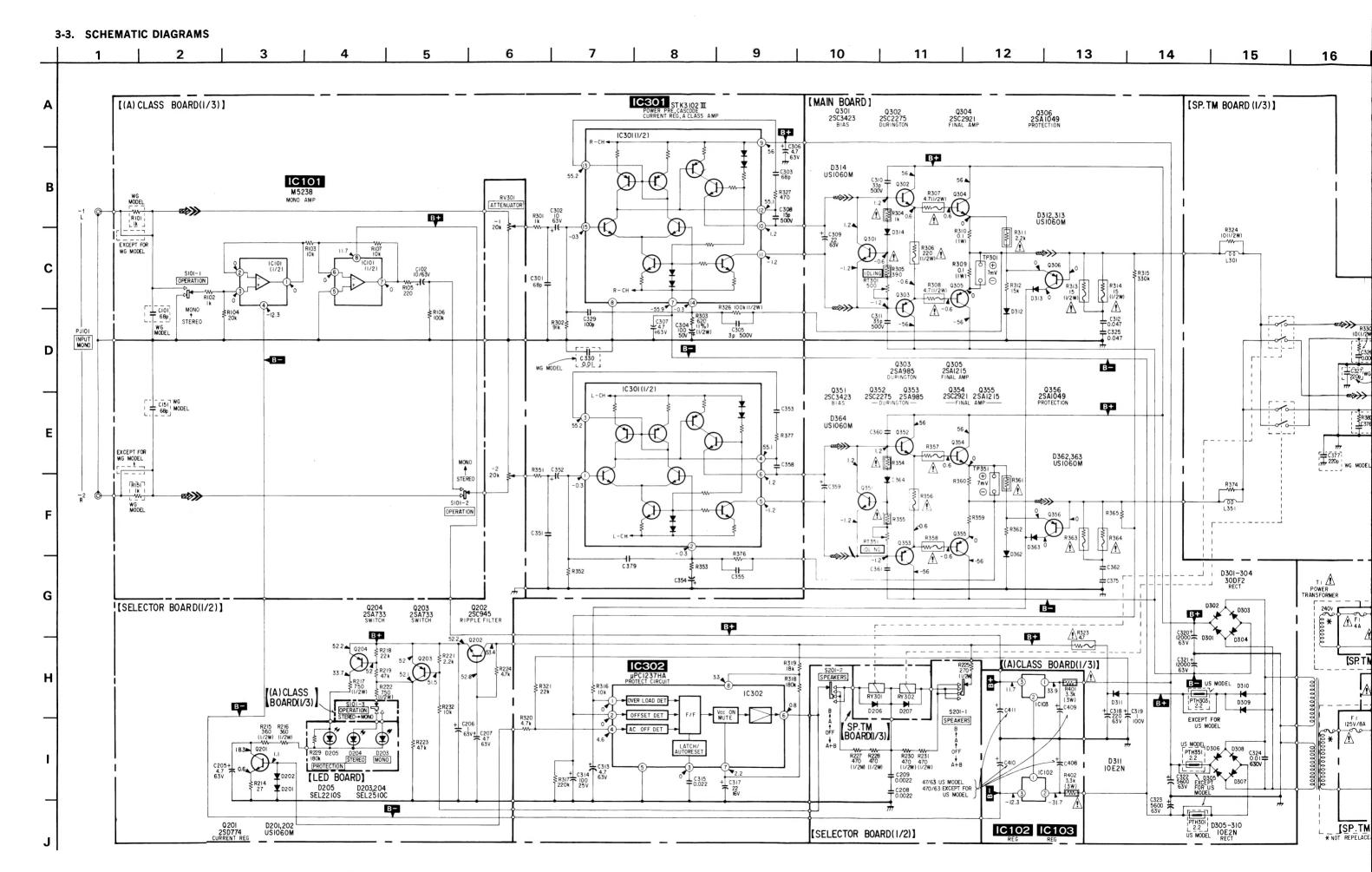
### Note:

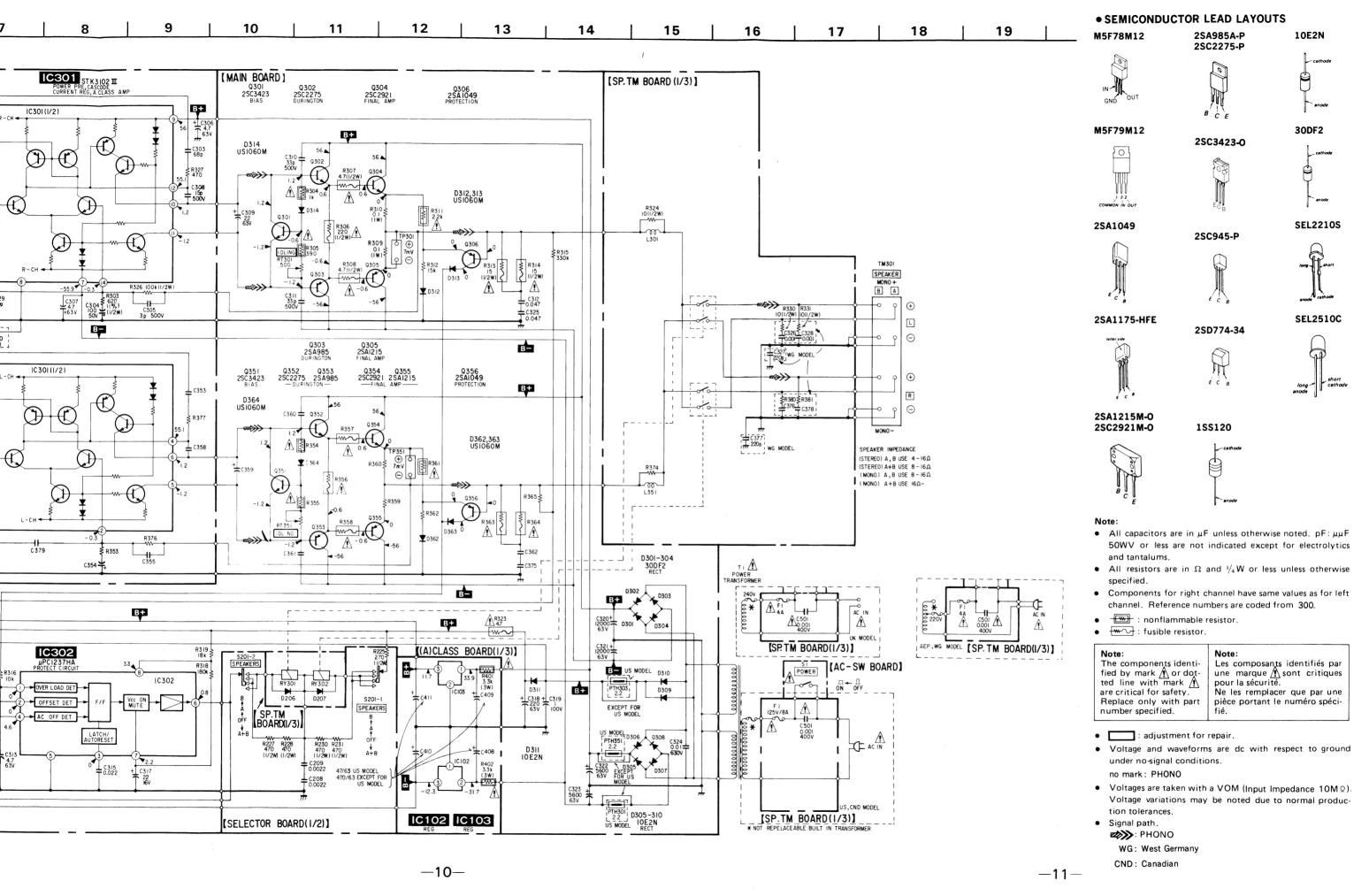
- o---: parts extracted from the component side.
- : parts mounted on the conductor side.

TA-N55ES TA-N55ES

### 3-2. PRINTED WIRING BOARDS







### **SECTION 4 EXPLODED VIEWS**

### NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

4-933-020-11 (AE2)...CASE

- Due to standardization, parts with part number suffix -XX and -X may be dif-ferent from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example: (RED) ... KNOB, BALANCE (WHITE) Cabinet's Color Parts' Color

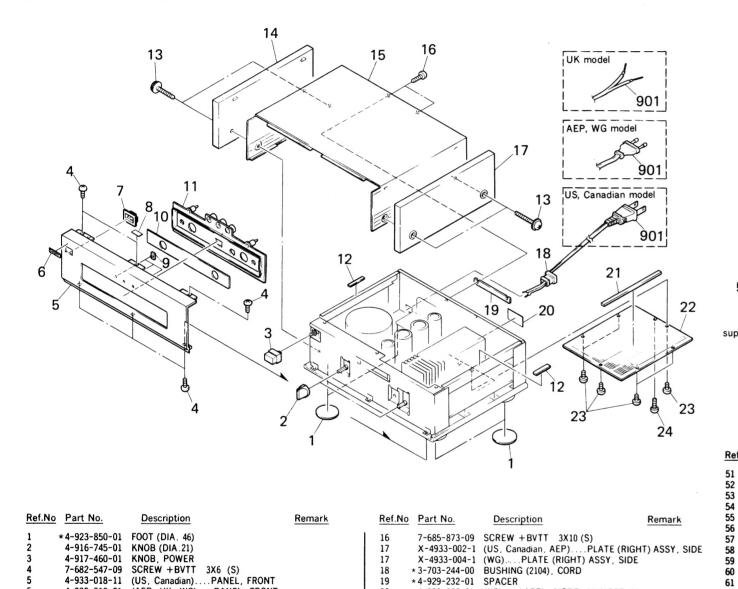
The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number

Les composants identifiés par une marque A sont critiques pour la Ne les remplacer que par une pièce portant le numéro spécifé.

WG: West Germany

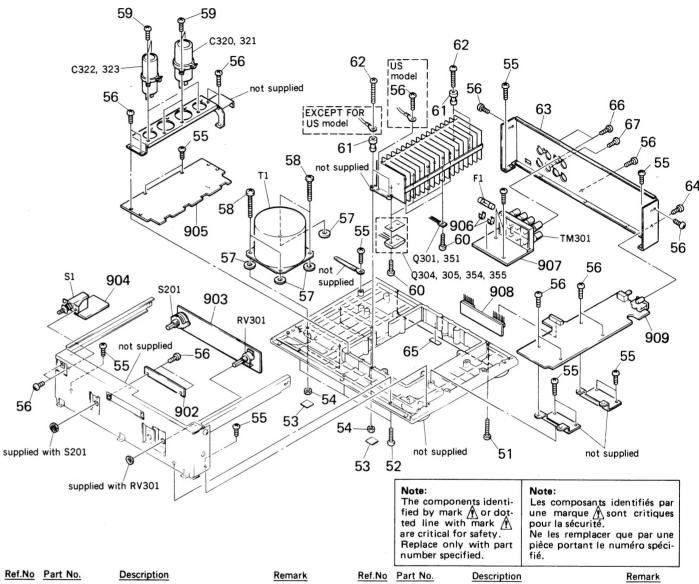
### 4-1. CABINET SECTION



Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
1	<b>*4-923-850-01</b>	FOOT (DIA. 46)	1	16	7-685-873-09	SCREW + BVTT 3X10 (S	)
2	4-916-745-01	KNOB (DIA.21)		17	X-4933-002-1	(US, Canadian, AEP)F	PLATE (RIGHT) ASSY, SIDE
3	4-917-460-01	KNOB, POWER		17		(WG)PLATE (RIGHT)	
4	7-682-547-09	SCREW +BVTT 3X6 (S)		18	* 3-703-244-00	BUSHING (2104), CORD	
5	4-933-018-11	(US, Canadian)PANEL, FRONT	1	19	* 4-929-232-01	SPACER	
5	4-933-018-21	(AEP, UK, WG)PANEL, FRONT	. 1	20	<b>* 4-933-006-01</b>	(US)LABEL, MODEL N	NUMBER (U)
6	4-908-884-01	EMBLEM, SONY		20	* 4-933-007-01	(Canadian)LABEL, MC	DEL NUMBER (CA)
7	4-908-044-11	ESCUTCHEON, POWER KNOB		20	<b>* 4-933-008-01</b>	(AE1)LABEL, MODEL	NUMBER (AE1)
8	<b>*3-846-067-21</b>	(UK)SPACER (C)		20	* 4-933-009-01	(AE2)LABEL, MODEL	NUMBER (AE2)
9	4-884-612-11	INDICATOR, EJECT		20	* 4-933-010-01	(WG)LABEL, MODEL	NUMBER (AE4)
10	4-933-013-11	PLATE (AL), ORNAMENTAL				(UK)LABEL, MODEL I	
11	4-933-014-01	ESCUTCHEON		21	<b>* 4-916-782-21</b>	DAMPER	
12	<b>*2-527-517-00</b>	(UK)CUSHION, CASE RETAINER		22	* 4-916-732-01	BOARD, BOTTOM	
13	4-885-979-21	(US, Canadian, AEP, WG)SCREW	(4X28)	23	7-685-647-79	SCREW + BVTP 3X10 TY	PE2 SLIT
13	4-889-321-11	(UK)SCREW		24	7-685-874-09	SCREW + BVTT 3X12 (S	)
14	X-4933-001-1	(US, Canadian, AEP)PLATE (LEFT	) ASSY, SIDE	901	<b>↑</b> . 1-557-577-11	(US, Canadian)CORD,	POWER
14	X-4933-003-1	(WG)PLATE (LEFT) ASSY, SIDE		901 2	₹.1-574-804-11	(UK)CORD, POWER	
15	4-933-020-01	(EXCEPT FOR AE2)CASE		901	A 1-574-805-11	(AEP. WG)CORD. PO	WER

### 4-2. SHASSIS SECTION

902 903



No Part No.	Description	<u>R</u>	emark	Ref.No	Part No.	Description		Remark
7-685-876-09	SCREW +BVTT	3X16 (S)	1	905	* A-4333-769-A	(US)MOUNTED P	CB. MAIN (B)	
7-685-873-09	SCREW +BVTT	3X10 (S)				(Canadian) MOUN		(B)
<b>*4-929-266-01</b>	CUSHION		1			(WG)MOUNTED F		,-,
7-684-024-04	N 4, TYPE 2					(UK)MOUNTED P		
7-685-647-79	SCREW +BVTP	3X10 TYPE2 SLIT				(AEP)MOUNTED		
7-682-547-09	SCREW +BVTT	3X6 (S)				(AEP, UK, WG)H		
4-885-984-21	WASHER					(US, Canadian)HO		
7-682-566-09	SCREW +B 4X20					PC BOARD, SP.TM		
7-685-872-09	SCREW +BVTT	3X8 (S)	1			PC BOARD, JUMPER		
7-685-648-79	SCREW +BVTP	3X12 TYPE2 IT-3	1			PC BOARD, (A) CLAS		
4-933-025-01	(US)COLLAR		i	C320	1-125-568-11		12000MF 20%	63V
7-685-152-19	(US)SCREW	+P 3X25 TYPE2 SLIT		C321	1-125-568-11	ELECT	12000MF 20%	
7-685-647-79	(EXCEPT FOR US	)SCREW +BVTP	X10 TYPE 2	C322	1-125-569-11	ELECT	5600MF 20%	
		SLIT		C323	1-125-569-11	ELECT	5600MF 20%	
<b>*4-933-015-01</b>	(EXCEPT FOR AE	2)PANEL, BACK		F1 /	. 1-532-350-00	(AEP, UK, WG)F		
<b>*4-933-015-11</b>	(AE2)PANEL,	BACK				(US, Canadian)FU		
7-621-849-00	SCREW, TAPPIN	G ·				SWITCH, PUSH (AC		
<b>*4-703-079-21</b>	(UK)LABEL,	CAUTION (BACK)		T1 /	. 1-449-787-11	(AEP, WG)TRANS	SFORMER, POWE	R
7-685-647-79	SCREW +BVTP	3X10 TYPE2 N-S				(UK)TRANSFORM		
7-621-849-00	(WG)SCREW,	TAPPING				(US, Canadian)TF		OWER
7-685-647-79	(EXCEPT FOR WO	G)SCREW +BVTP	3X10 TYPE 2			(US, Canadian, AE1,		
		N-S				•	(SPEAKE	
* 1-631-657-11	PC BOARD, LED			TM301	1-537-246-21	(WG)TERMINAL E		
	PC BOARD, SELE		1			(AE2)TERMINAL		
* 1-631-870-11	PC BOARD, AC-S	SW						•

- Due to st list may the diagr
- Items ma are seldo delay sho items.
- If there such as circuit pa resistors

Ref.No Part \* 1-63 \* A-43 \* A-43 \* A-43 904 905 905 905 905 905 906 906 907 908 \* A-43 \* 1-53 \* 1-53 \* 1-63

C101 1-10 C151 1-10 C205 C206 1-12

**\*1-63** 

**\*1-63** 

909

C207 C208 C209 C301 1-12 1-13 1-13 1-10 1-12 C302 C303 C304 C305 C306 C307 1-10 1-12 1-10 1-12 1-12

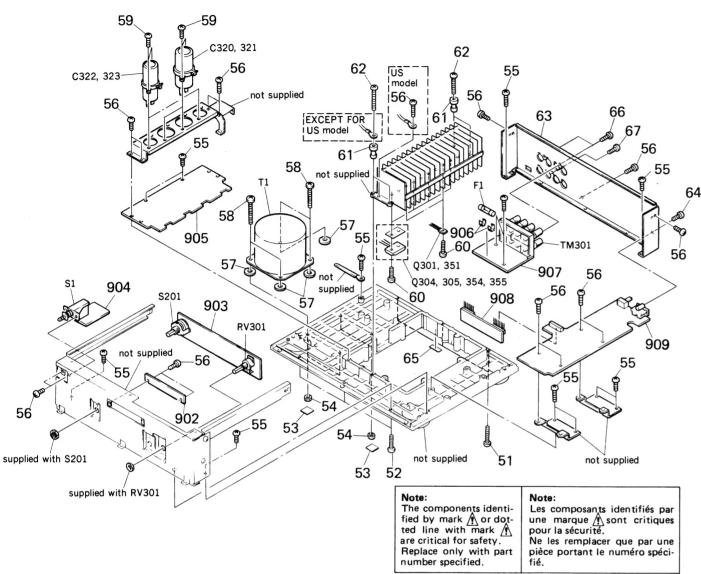
C308 C309 C310 C311 1-10 1-12 1-10 1-10 1-13 C312

C313 C314 C315 C317 1-12 1-12 1-13 1-12 1-12 C318

C319 1-12 C320 1-12 C321 1-12 C322 1-12 C323 1-12 C324 C325 C326 C327 1-13 1-13 1-13 1-10 1-13

### SECTION 5 **ELECTRICAL PARTS LIST**

### 4-2. SHASSIS SECTION



Ref.No	Part No.	Description		Remark	Ref.N
51	7-685-876-09	SCREW +BVTT	3X16 (S)	1	905
52	7-685-873-09	SCREW +BVTT	3X10 (S)	1	905
53	<b>* 4-929-266-01</b>				905
54	7-684-024-04	N 4, TYPE 2		İ	905
55	7-685-647-79	SCREW +BVTP	3X10 TYPE2 SLIT		905
56	7-682-547-09	SCREW +BVTT	3X6 (S)		906
57	4-885-984-21	WASHER			906
58	7-682-566-09	SCREW +B 4X20		1	907
59	7-685-872-09	SCREW +BVTT	3X8 (S)	i	908
60	7-685-648-79	SCREW +BVTP	3X12 TYPE2 IT-3		909
	4-933-025-01			1	C320
62	7-685-152-19	(US)SCREW	+P 3X25 TYPE2 SLIT	r i	C321
62	7-685-647-79	(EXCEPT FOR US	S)SCREW +BVTP	3X10 TYPE 2	C322
			SLIT		C323
			2)PANEL, BACK		F1
	<b>*4-933-015-11</b>		BACK		F1
	7-621-849-00				S1
			CAUTION (BACK)	1	T1
	7-685-647-79		3X10 TYPE2 N-S	1	T1
	7-621-849-00	(WG)SCREW,	, TAPPING		T1
67	7-685-647-79	(EXCEPT FOR WO	G)SCREW +BVTP	3X10 TYPE 2	TM30
			N-S		
		PC BOARD, LED		- 1	TM30
		PC BOARD, SELE			TM30
904	<b>*</b> 1-631-870-11	PC BOARD, AC-	SW	1	

SY, SIDE

Ref.No	Part No.	Description		Remark
		(US)MOUNTED PO		
905	A-4333-770-A	(Canadian)MOUNT	ED PCB, MAI	N (B)
905	A-4333-771-A	(WG)MOUNTED P	CB, MAIN (B)	
905	A-4333-772-A	(UK)MOUNTED PO	CB, MAIN (B)	
905	A-4333-783-A	(AEP)MOUNTED F	CB, MAIN (B	)
906	1-533-183-11	(AEP, UK, WG)HC	DLDER, FUSE	
906	1-533-185-11	(US, Canadian)HO	LDER, FUSE	
907	1-631-658-11	PC BOARD, SP.TM		
908	1-631-656-11	PC BOARD, JUMPER		
909	1-631-655-11	PC BOARD, (A) CLASS	S	
C320	1-125-568-11	ELECT	12000MF 20	% 63V
C321	1-125-568-11	ELECT	12000MF 20	1% 63V
C322	1-125-569-11	ELECT	5600MF 20	% 63V
C323	1-125-569-11	ELECT	5600MF 20	% 63V
F1 A	1-532-350-00	(AEP, UK, WG)FU	SE, TIME-LA	G T4A
F1 A	1-532-510-00	(US, Canadian)FU	SE, GLASS TU	IBE 8A
S1 A	1-554-538-00	SWITCH, PUSH (AC P	OWER)(1 KEY	)
T1 ⚠	1-449-787-11	(AEP, WG)TRANS	FORMER, POV	VER
T1 ♠	1-449-789-11	(UK)TRANSFORME	R, POWER	
T1 ♠	1-449-790-11	(US, Canadian)TR	ANSFORMER,	POWER
TM301	1-537-246-11	(US, Canadian, AE1, U	JK)TERMI	NAL BOARD
		•	(SPEA	KER)
TM301	1-537-246-21	(WG)TERMINAL B		
TM301	1-537-246-31	(AE2)TERMINAL B		
			•	•

### NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF: μF, PF: μμF.

- RESISTORS

   All resistors are in ohms.
   F: nonflammable

### COILS

• MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: µ, for example:
UA...: µA..., UPA...: µPA...,
UPC...: µPC, UPD...: µPD...

The components identified by mark \( \frac{\Lambda}{\Lambda} \) or dotted line with mark \( \frac{\Lambda}{\Lambda} \) are critical for safety.

Replace only with part number

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

WG: West Germany

specified.

Ē	Ref.No	Part No.	Description		Ē	Remark	Ref.No	Part No.	Description			Remark
			(US, Canadian)CO (UK)CORD, POWE		R		C329 C330	1-104-278-91 1-161-370-00	POLYSTYRENE (WG)	100PF	5%	50V
			(AEP, WG)CORD,			1	0330	1 101 5/0 00	CERAMIC	0.01MF	30%	25V
			PC BOARD, LED				C351	1-104-276-11	POLYSTYRENE	68PF	10%	50V
	903		PC BOARD, SELECTO	R		1	C352	1-124-915-11		10MF	20%	63V
							C353	1-104-276-11	POLYSTYRENE	68PF	10%	50V
9	004	<b>*1-631-870-11</b>	PC BOARD, AC-SW									
9	905	* A-4333-769-A	(US)MOUNTED PO	CB, MAIN (	B)		C354	1-124-130-00	ELECT	100MF	20%	63V
	905		(Canadian)MOUNT			B) [	C355	1-107-276-11	MICA	3PF		500V
	905		(WG)MOUNTED P				C358	1-107-206-00		15PF	5%	500V
9	905	* A-4333-772-A	(UK)MOUNTED P	CB, MAIN (	(B)		C359	1-124-929-11		22MF	20%	63V
	10E	+ A . 4222 . 702 A	(AED) MOUNTED	OD MAIN	(D)		C360	1-107-159-00	MICA	33PF	5%	500V
	905 906		(AEP)MOUNTED F (AEP, UK, WG)H				C361	1-107-150-00	MICA	33PF	50/	5001/
	906		(US, Canadian)HC				C362	1-107-159-00 1-136-161-00		0.047MF	5% 5%	500V 50V
	907		PC BOARD, SP.TM	LDER, 103	,,		C375	1-136-161-00		0.047MF	5%	50V 50V
	908		PC BOARD, JUMPER				C376		(WG)FILM	0.001MF	5%	50V
			TO BOTTIND, SOUTH EIN				C377		(WG)MICA	220PF	5%	500V
9	909	*1-631-655-11	PC BOARD, (A) CLAS	S			0077	1 103 021 00	(114)	22011	3/0	3001
							C378	1-130-471-00	(WG)FILM	0.001MF	5%	50V
		CA	PACITOR				C379	1-104-278-91	POLYSTYRENE	100PF	5%	50V
							C408	1-124-918-11	(US)ELECT	47MF	20%	63V
(	C101	1-104-276-11				2	C408	1-123-377-00	(EXCEPT FOR US)			
			POLYSTYRENE	68PF	10%	50V			ELECT	470 <b>M</b> F	20%	63V
	C102	1-124-915-11		10 <b>M</b> F	20%	63V	C409	1-124-918-11	(US)ELECT	47 <b>M</b> F	20%	63V
,	2151	1-104-276-11		CODE	100/	501/	0.400	1 100 077 00	(EVOEDT FOR HO)			
	2205	1-123-369-00	POLYSTYRENE	68PF 4.7MF	10% 20%	50V 63V	C409	1-123-3//-00	(EXCEPT FOR US)		200/	cav
	C206	1-123-389-00		1MF	20%	63V	C410	1-124-019-11	ELECT (US)ELECT	470MF 47MF	20% 20%	63V 63V
•	2200	1 125 500 00	LLLOI	11411	20/0	034	C410		(EXCEPT FOR US)		20%	034
	C207	1-124-918-11	ELECT	47MF	20%	63V	0410	1 123 377 00	ELECT	470MF	20%	63V
	2208	1-130-475-00		0.0022MF	5%	50V	C411	1-124-918-11	(US)ELECT	47MF	20%	63V
(	2209	1-130-475-00		0.0022MF	5%	50V	C411		(EXCEPT FOR US)		20/0	
(	C301	1-104-276-11	POLYSTYRENE	68PF	10%	50V			ELECT	470MF	20%	63V
(	C302	1-124-915-11	ELECT	10MF	20%	63V					-	
							C501 🛕	. 1-161-741-00	CERAMIC	0.001MF	10%	400V
	C303		POLYSTYRENE	68PF	10%	50V						
	C304	1-124-130-00		100MF	20%	63V			SOCKET, CONNECTO			
	2305	1-107-276-11		3PF	0.5PF		CNJ10	* 1-563-381-11	SOCKET, CONNECTO	R 11P		
	C306 C307	1-123-369-00 1-123-369-00		4.7MF	20%	63V	CNIDO	. 1 ECE 700 11	DIN CONNECTOR OR			
,	J307	1-123-309-00	ELECT	4.7 <b>M</b> F	20%	63V			PIN, CONNECTOR 2P PIN, CONNECTOR 2P			
	C308	1-107-206-00	MICA	15PF	5%	500V			PIN, CONNECTOR 4P			
	2309	1-124-929-11		22MF	20%	63V			PIN, CONNECTOR 4P			
	C310	1-107-159-00		33PF	5%	500V			PIN, CONNECTOR (P		11P	
	2311	1-107-159-00		33PF	5%	500V			,	0 00/11/0/	•••	
(	2312	1-136-161-00	FILM	0.047MF	5%	50V	CNP10	1-568-203-11	PIN, CONNECTOR (PO	C BOARD)	11P	
	2313	1-123-369-00		4.7MF	20%	63V	D201		DIODE 1SS120			
	2314	1-123-333-00		100MF	20%	25V	D202		DIODE 1SS120			
	2315	1-130-487-00		0.022MF	5%	50V	D203		DIODE SEL2510C			
	C317 C318	1-123-330-00		22MF	20%	16V	D204		DIODE SEL2510C			
,	2310	1-124-919-11	ELECT	220 <b>M</b> F	20%	034	D205	8-719-301-39	DIODE SEL2210S			
	2319	1-124-499-11	ELECT	1MF	20%	100V	D206	8-719-912-20	DIODE 1SS120			
	C320	1-125-568-11		12000MF	20%	63V	D200		DIODE 155120			
	2321	1-125-568-11		12000MF	20%	63V	D301	8-719-230-02				
	2322	1-125-569-11		5600MF	20%	63V	D302	8-719-230-02				
	2323	1-125-569-11		5600MF	20%	63V	D303	8-719-230-02				
					. •							
	C324	1-136-601-11		0.01 <b>M</b> F	10%	630V	D304	8-719-230-02				
	2325	1-136-161-00		0.047MF	5%	50V	D305	8-719-200-77				
	2326	1-130-471-00		0.001MF	5%	50V	D306	8-719-200-77				
	2327		(WG)MICA	220PF	5%	500V	D307	8-719-200-77				
'	C328	1-130-471-00	(WG)FILM	0.001MF	5%	50V	D308	8-719-200-77	DIODE 10E2N			

Ref.No f	Part No	Description				Ref	f.No	Part No.	Description				
	8-719-200-77					R2		1-249-465-11		47K	5%	1/4W	
D310 8	8-719-200-77	DIODE 10E2N				R2	24	1-247-721-11	CARBON	4.7K	5%	1/4W	
	8-719-200-77 8-719-912-20					R2		1-247-744-11 1-247-747-11		270 470	5% 5%	1/2W 1/2W	
	8-719-912-20					R2		1-247-747-11		470	5%	1/2W	
	8-719-912-20					R2		1-247-703-11		180	5%	1/4W	
	8-719-912-20 8-719-912-20					R2 R2		1-247-747-11 1-247-747-11		470 470	5% 5%	1/2W 1/2W	
	8-719-912-20					R2	32	1-247-725-11	CARBON	10K	5%	1/4W	
EH1 *	1-564-507-11	PLUG, CONNECTO	R 4P			R3	01	1-247-713-11	CARBON	1K	5%	1/4W	
EH2 *	1-564-506-11	PLUG, CONNECTO	)R 3P			R3		1-249-599-11		91K	5%	1/4W	
		PLUG, CONNECTO PLUG, CONNECTO				R3		1-249-797-11 1-247-713-11		620 1K	1% 5%	1/2W 1/4W	F
EH5 *:	1-564-506-11	PLUG, CONNECTO	OR 3P					1-247-707-11 1-219-030-11		390 220	5% 5%	1/4W 1/2W	F
EH6 *	1-564-508-11	PLUG, CONNECTO	OR 5P										
F1 A.	1-532-350-00	(AEP, UK, WG)	FUSE,	TIME-	LAG T4A			1-217-989-11 1-217-989-11		4.7 4.7	5% 5%	1/2W 1/2W	
F1 <u>A</u> .∶	1-532-510-00	(US, Canadian)	.FUSE,	GLASS	TUBE 8A	R3 R3		1-217-611-00 1-217-611-00		0.1		1W 1W	
	8-759-602-83							1-247-717-11		2.2K	5%	1/4W	F
	8-759-604-39 8-759-604-45					R3	12	1-249-460-11	CARBON	15K	5%	1/4W	
IC301	8-749-920-70	IC STK3102-3				R3	13 🛦.	1-219-002-11	FUSIBLE	15	5%	1/2W	
IC302	8-759-111-68	IC UPC1237HA				R3 R3	7.7	1-219-002-11 1-247-891-00		15 330K	5% 5%	1/2W 1/4W	
		COIL, AIR CORE				R3		1-247-725-11		10K	5%	1/4W	
F351 *	1-420-8/2-00	COIL, AIR CORE				R3	17	1-247-887-00	CARBON	220K	5%	1/4W	
PJ101	1-568-250-11	JACK, PIN 2P (IN	PUT MO	NO)		R3 R3		1-247-885-00 1-249-461-11		180K	5%	1/4W	
PTH301	1-202-850-00	(US)THERMIS	TOR (PO	SITIVE	)	R3		1-247-721-11		18K 4.7K	5% 5%	1/4W 1/4W	
		(US)THERMIS				R3	21	1-249-462-11	CARBON	22K	5%	1/4W	
					,			1-212-849-00		4.7	5%	1/4W	F
		TRANSISTOR 2SD TRANSISTOR 2SC				R3		1-247-727-11 1-249-850-11		10 100K	5% 1%	1/2W 1/2W	
		TRANSISTOR 2SA				R3		1-247-708-11		470	5%	1/4W	
		TRANSISTOR 2SA TRANSISTOR 2SC				R3	30	1-24/-/2/-11	(WG)CARBON	110	5%	1/2W	
Q302	8-729-127-53	TRANSISTOR 2SC	2275-P			R3 R3		1-247-727-11 1-247-713-11	(WG)CARBON	110 1K	5% 5%	1/2W 1/4W	
Q303	8-729-190-53	TRANSISTOR 2SAS	985A-P			R3	52	1-249-599-11	CARBON	91K	5%	1/4W	
		TRANSISTOR 2SC TRANSISTOR 2SA				R3		1-249-797-11 1-247-713-11		620 1K	1% 5%	1/2W 1/4W	F
		TRANSISTOR 2SA											
	8-729-203-45	TRANSISTOR 2SC	3423-0					1-247-707-11 1-219-030-11		390 220	5% 5%	1/4W 1/2W	F
		TRANSISTOR 2SC: TRANSISTOR 2SA						1-217-989-11 1-217-989-11		4.7 4.7	5% 5%	1/2W	
Q354	8-729-320-03	TRANSISTOR 2SC	2921M-O			R3		1-217-611-00		0.1	3%	1/ 2 VV 1W	
Q355	8-729-320-01	TRANSISTOR 2SA	1215 <b>M-</b> O			R3	60	1-217-611-00	METAL PLATE	0.1		1W	
Q356	8-729-204-91	TRANSISTOR 2SA	1049			R3	61 1.	1-247-717-11	CARBON	2.2K	5%	1/4W	F
	RE	SISTOR				R3		1-249-460-11		15K 15	5% 5%	1/4W 1/2W	
P101		(WG)CARBON	11/	E0/	1 / 414/			1-219-002-11		15	5%	1/2W	
R102	1-247-713-11	CARBON	1K	5% 5%	1/4W 1/4W	R3	65	1-247-887-00	CARBON	220K	5%	1/4W	
	1-247-725-11 1-249-583-11		10K 20K	5% 5%	1/4W 1/4W	R3		1-247-727-11 1-249-850-11		10	5%	1/2W	
	1-247-704-11		220	5%	1/4W	R3		1-247-708-11		100K 470	1% 5%	1/2W 1/4W	
R106	1-249-469-11	CARBON	100K	5%	1/4W	R3	80	1-247-727-11	(WG)CARBON	10	5%	1/2 <b>W</b>	
R107	1-247-725-11	CARBON	10K	5%	1/4W	R3			(WG)CARBON		5%	1/2 <b>W</b>	
	1-247-713-11	(WG)CARBON CARBON	1K 27	5% 5%	1/4W 1/4W			1-215-920-11 1-215-920-11		3.3K 3.3K	5% 5%	3W 3W	F F
	1-247-229-00		360	5%	1/2W						-70		
	1-247-229-00		360	5%	1/2W				RES, ADJ, CARB RES, ADJ, CARB				
	1-247-237-00 1-249-462-11		750 22K	5% 5%	1/2W 1/4W	RV	301	1-238-656-11	RES, VAR, CARB	ON 20K/2	ONK (AT	TENHATO PI	
R219	1-249-465-11	CARBON	47K	5%	1/4W					VII 6011/6	(A)	· CHONIUN)	
R221	1-247-717-11	CARBON	2.2K	5%	1/4W			1-515-676-11 1-515-676-11					
R222	1-247-237-00	CARBON	750	5%	1/2W								$\neg$
								Note: The compo	nents identi-	<b>Note:</b> Les com	posan	ts identi <b>f</b> iés pa	ar
								fied by mai	k ∕i or dot l		rque /	sont critique	
								are critical	or safety.	Ne les r	em pla	cer que par un	
								Replace on number spe		pièce po fié.	rtant	le numér <b>o</b> spéc	ci-
					-	-15-							

Ref.No Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
S101 1-572-010-11	SWITCH, PUSH (AC POWER)(1 KEY SWITCH, SLIDE (INPUT OPERATION SWITCH, ROTARY (SPEAKERS)				ACCESORIES AND PACKI	
T1	(AEP, WG)TRANSFORMER, PO (UK)TRANSFORMER, POWER (US, Canadian)TRANSFORMER, (US, Canadian, AE1, UK)TERM (SPEA (WG)TERMINAL BOARD (SPEA (AE2)TERMINAL BOARD (SPEA	POWER INAL BOARD IKER) (ER)		3-703-450-01 3-750-794-11	(US)INSTRUCTION (US, Canadian, AE1, UI TION (ENGLISH, FRENCH (AE2, WG)MANUAL, DUTCH, SWEDISH, ITALI	()MANUAL, INSTRUC, , SPANISH, PORTUGUESE) INSTRUCTION (GERMAN,
	()			*4-933-001-01 4-933-004-01	CUSHION INDIVIDUAL CARTON	

Note:
The components identified by mark A or dotted line with mark are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque A sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Sony Corporation Audio Group

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